

January 16-22, 2004

<P>The Terra spacecraft is operating nominally. All five instruments are in science mode.</P>

<P>The Terra Flight Operations Team (FOT) held additional meetings this week with White Sands and Space Network personnel to resolve the short duration KSA dropouts during science playbacks. Several avenues are being pursued in the investigation. The team is attempting to correlate known data dropouts to individual Solid State Recorder buffer dumps to determine if data from one or more specific instruments may be more susceptible to dropouts than others. Emphasis is also being given to the TWT that is experiencing performance issues. Beginning of life diurnal TWTA Helix Current, RF power and reflected power telemetry will be compared against current levels, and de-logs of high-resolution telemetry on TWTA Helix Current, RF power and reflected power values (measured during known dropout anomalies) will be examined.</P>

<P><B>Plans:</B><BR>

A routine roll maneuver for support of MODIS lunar calibration will be evaluated for February 10, 2004.</P>